INTRODUCTION:

Following the successful use of Cem-FIL® GRC in refurbishing the Santiago Bernabeu Stadium for the World Cup Finals in Spain, it was later chosen to be used as an external cladding material to provide a face-lift to the San Siro Meazza Stadium in Milan, home of the Inter-Milan and AC Milan football clubs.

THE PROJECT:

Over 1,000 panels were produced to provide curtain walling and cladding to the four towers supporting the beams of the roof. The towers also had to be made one storey taller to allow space for the new roofing structure, and the light weight and thin section of the GRC panels enabled them to be installed in areas of limited access.

The GRC panels were made by GRC Italia, using the spray process and Cem-FIL® Spray rovings. The panels were 2.1m width and varied in height from 2.7 to 3.6m. They used the stud frame method of construction to simplify fixing, handling and to enable rapid installation. The stud frame method of construction allows the panels to accommodate the natural movement of the GRC due to changes in the weather, whilst providing the panel with excellent resistance to imposed loads, including those due to seismic activity. It total the contract used 7,200m² of GRC panels.

In addition to the GRC panels, the parent company of GRC Italia (OCM Valma) provided approximately 33,000m² of aluminium and polycarbonate cladding for this contract.

The project architect responsible for the refurbishment of the stadium was Sig. Arch. Ragazzi of the Fininvest Group, and the GRC elements were designed by Sig. Arch. Jesi of the OCM Valma Group.
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